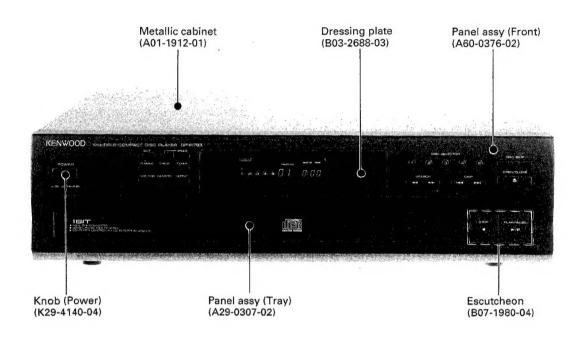
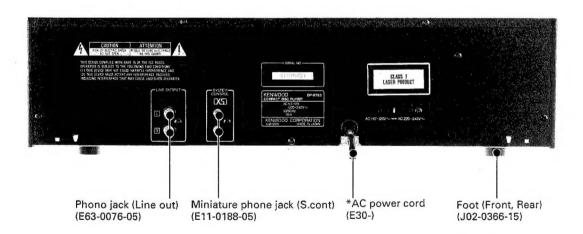
COMPACT DISC PLAYER

DP-R793/R893/R4450 SERVICE MANUAL

KENWOOD

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In complicance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER: Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.

Photo is DP-R793.
*Refer to parts list on page 30.

CONTENTS/ACCESSORIES/CAUTION

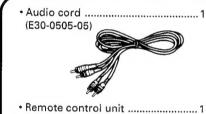
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^{*} Refer to DP-M991/M6630/M7730 service manual (B51-4281-00) and DP-7030 (B51-4244-00) if need circuit description CXA1571, TC9237 (DP-M serise), CXA1372Q, CXD2500Q (DP-7030).

ACCESSORIES



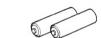
- Remote control unit (DP-R4450 ONLY) (A70-0928-05)
- Battery cover (A09-0145-08)







• Batteries (R6/AA)2 (DP-R4450 ONLY)



CAUTION

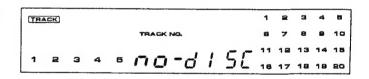
Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

- 1. Turn the power ON but do not load a disc.
- 2. Wait a few seconds and verify that the display shown appears.
- 3. Turn the power OFF.

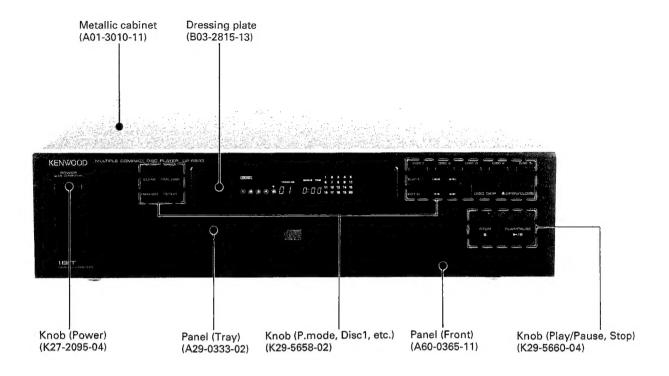
Caution of the service manual

Before using this manual, please check model's name. CD player unit (X32) parts list is written the parts for all of 3 model's. Also refer to comparison table in schematic diagram.



Model name	ABB	Display unit	CD player unit	Mechanism
	K, P	X25-5210-10	X32-2450-12	X92-1610-31
DP-R793	M, Y	X25-5210-10	X32-2452-93	X92-1610-31
	Х	X25-5210-10	X32-2450-73	X92-1610-31
	K, P	X25-5200-11	X32-2450-11	X92-1610-31
DP-R893	M, Y	X25-5200-11	X32-2452-92	X92-1610-31
	X	X25-5200-11	X32-2450-72	X92-1610-31
	K, P	X25-5200-10	X32-2450-10	X92-1610-31
DP-R4450	M, Y	X25-5200-10	X32-2452-91	X92-1610-31
	X	X25-5200-10	X32-2450-71	X92-1610-31

DP-R793/R893/R4450 EXTERNAL VIEW



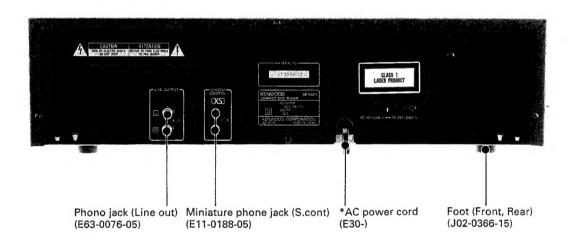
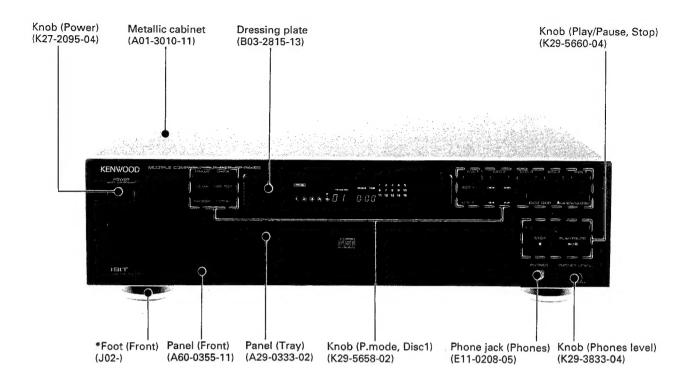


Photo is DP-R893. *Refer to parts list on page 30.

DP-R793/R893/R4450 EXTERNAL VIEW



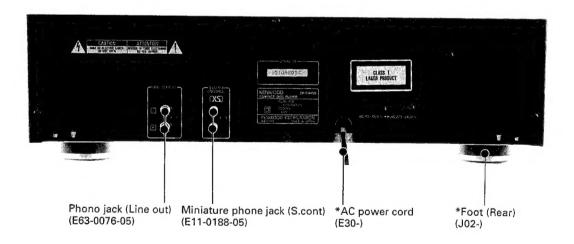


Photo is DP-R4450.

*Refer to parts list on page 30.

CONTROL/REMOTE CONTROL OPERATION

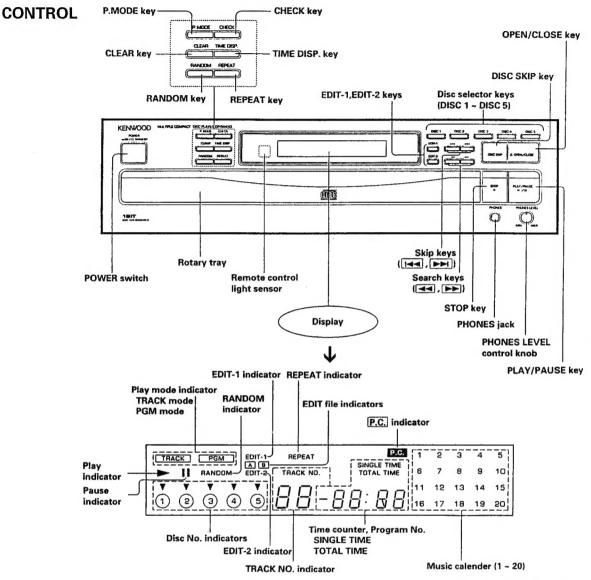
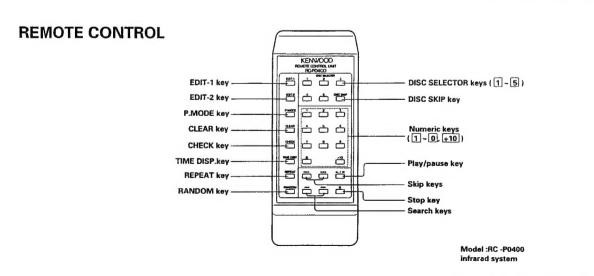


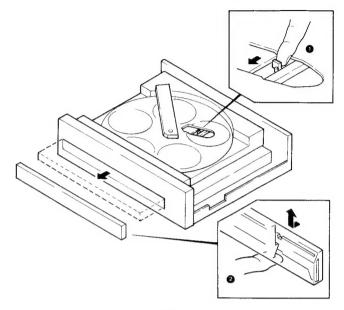
Fig. is DP-R4450.



DISASSEMBLY FOR REPAIR

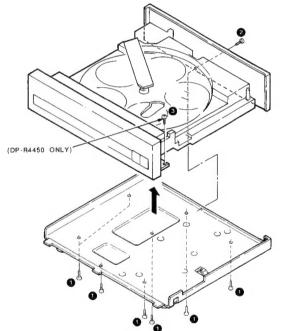
1. How to Remove the Tray and Tray Panel

- * Remove the metallic cabinet before the following procedure.
- 1. Slide the lever frontwards (1) until the tray comes out.
- 2. Pull the tray out fully.
- 3. Remove the tray panel upwards (2).



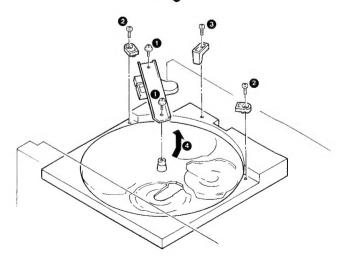
2. How to Remove the Bottom plate

Remove bottom plate screws (1), rear panel screws (2) and chassis screws (3).



3. How to Remove Rotary Tray

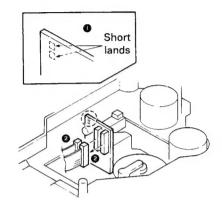
- 1. Remove clamper screws (1).
- 2. Remove two screws (2).
- 3. Remove screw (3).
- 4. Remove the rotary tray upwards (4).



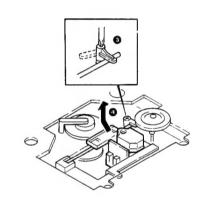
DISASSEMBLY FOR REPAIR

4. How to Replace Pickup

- * Remove the rotary tray before the following procedures.
- 1. Short the short lands (1).
- 2. Remove 2 connectors (2).

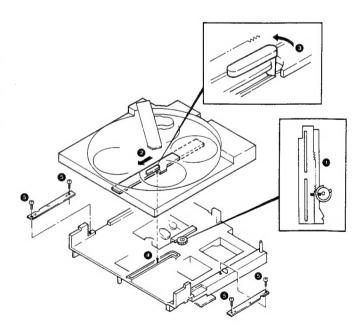


- 3. Turn the stopper (3).
- 4. Remove the pickup upwards (4).

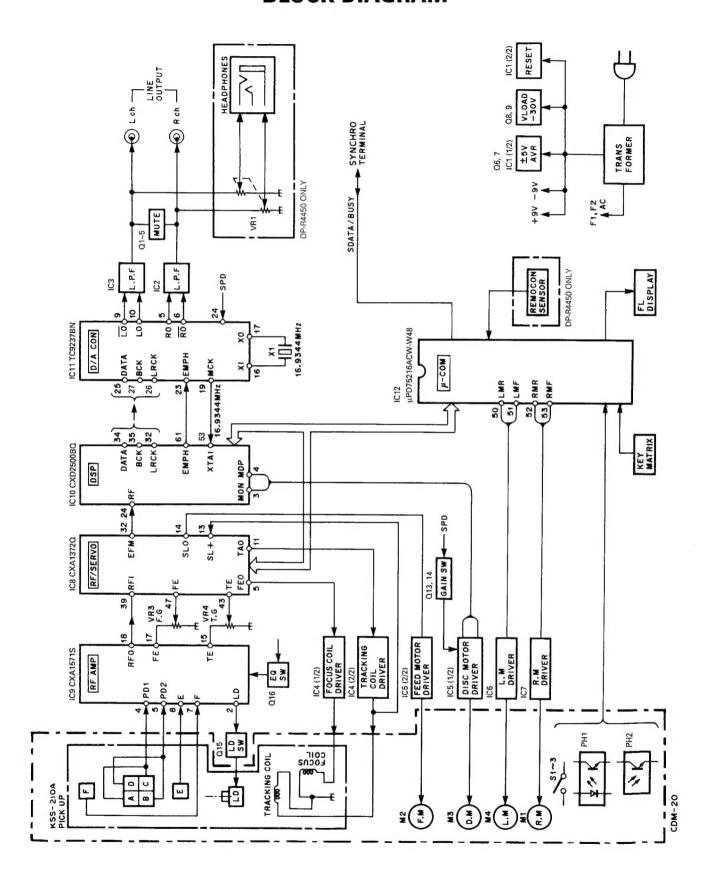


5. How to Mount Rotary Tray

- 1. Check the pickup mechanism is at down position and meet the mark of the gear to the boss of the pickup mechanism up/down gear (1).
- 2. Move the slide gear frontwards (2) and fix the lock lever to slide gear (3).
- 3. Insert the lock lever pin to the groove of the chassis (4).
- 4. Fix the hardware with screws (5).



DP-R793/R893/R4450 BLOCK DIAGRAM



DP-R793/R893/R4450 CIRCUIT DESCRIPTION

1. TEST MODE

· Setting the test mode

The microprocessor built in the unit can be put to TEST MODE by just short-circuiting the TEST pin #1 and #2 when set to power ON.

DP-R793/R893/R4450 is available to set to each test mode by UP key or DOWN key as follows.

1-1. Key and functions vaild in test mode

STEP	Description	Track No. display
1	STOP MODE after setting TEST MODE	TRACK NO.
2	Turn Rotary-tray with opening it, and shows time of tray-open.	TRACK NO.
3	Turn Rotary-tray with closing it, and shows time of tray-close.	TRACK NO.
4	(1) Focus servo	TRACK NO. ↓ Time lights
5	(1) Tracking	TRACK NO. [] 5
6	Same step "4".	TRACK NO. ↓ ↓ time lights
7	Confirm position of start limit switch, shows time of setting it to on.	TRACK NO.
8	Set it to program mode, playback Tracking No. 7, 8 and 6 (High-speed).	

CIRCUIT DESCRIPTION

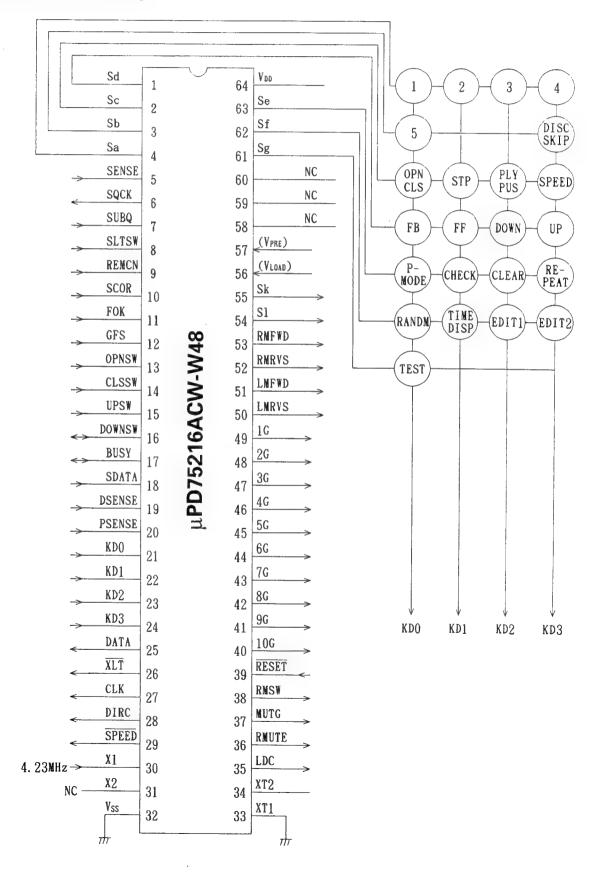
No.	Input key	Function	Track No. display
1	PLAY	(1) Focusing servoON. (2) Tracking servoON. (3) Feed servoON.	TRACK NO.
2	CHECK	(1) Focusing servo	TRACK NO.
3	STOP	In STOP mode. Disc is loaded.	TRACK NO.
4	₩ (UP)	Change TEST mode (UP).	
5	(DOWN)	Change TEST mode (DOWN).	
6	>>	In the PLAYBACK mode, jumps the pickup outwards (16 tracks). In the STOP mode, the pickup slightly outwards.	
7	*	In the PLAYBACK mode, jumps the pickup inwards (16 tracks). In the STOP mode, the pickup slightly inwards.	
8	OPEN/CLOSE	When the tray is opened then track No. 7, 8 and 6 (High-speed) are programmed and playback. TEST mode is canceled.	
9	DISC SKIP	In SKIP mode.	
10	P-MODE	Track No. 7, 8 and 6 (High-speed) are programmed and playbacked. TEST mode is canceled when pressing it again after playback.	
11	REPEAT	The tray OPEN / CLOSE operation is available without canceling TEST mode.	
12	TIME DISP	Turn ON / OFF the FL display.	
14	SPEED*	Set the port condition to High-speed mode, and set it to normal speed when pressing SPEED key again.	
15	DISC SELECTOR	Shows time of tray-rotation. (1)	

^{*}DP-R793 only

DP-R793/R893/R4450 CIRCUIT DESCRIPTION

2. Microprocessor: µPD75216ACW-W48 (IC12)

2-1. Terminal connection diagram



CIRCUIT DESCRIPTION

2-2. Explanation of terminals (μPD75216ACW-W48)

Pin No.	Pin name	1/0	Function
1 ~ 4	Sd ~ a ·	0	Segment (d ~ a)
5	SENSE		Signal detection terminal for SENSE signal from Digital Signal Processor
6	SQCK	0	Clock output of Q data input
7	SUBQ		Q data input
8	SLTSW	1	Start limit switch for pickup
9	REMCN	1	Remote control input
10	SCOR	1	SCOR input of Q data
11	FOK		Focus OK signal input
12	GFS	1	Spindle lock
13	OPNSW	1	Tray open switch
14	CLSSW	1	Tray close switch
15	UPSW		Mechanism-up switch
16	DOWNSW	1	Mechanism-down switch
17	BUSY	1/0	System control signal (BUSY)
18	SDATA	1/0	System control signal (DATA)
19	DSENSE	ı	Disc sensor
20	PSENSE	ı	Disc position sensor
21 ~ 24	KD0 ~ 3	ı	Key input (Obit ~ 3bit)
25	DATA	0	Data signal to signal processor
26	XLT	0	XLT signal to signal processor
27	CLK	0	Clock signal to signal processor
28	DIRC	0	Control signal for jump brake
29	SPEED	0	Double-speed playback control (H : NORMAL / L : DOUBLE)
30	X1		Clock input (4.23MHz)
31	X2	1	Non-connection
32	Vss	-	Ground
33,34	XT1,2	1	Non-connection
35	LDC	0	Laser on
36	RMUTE	0	Analog mute
37	MUTG	0	Digital mute
38	RMSW	0	Rotary tray motor speed-down
39	RESET	1	Reset signal input
40 ~ 49	10G ~ 1G	0	Display grid (10G ~ 1G)
50	LMRVS	0	Tray motor 1
51	LMFWD	0	Tray motor 2
52	RMRVS	0	Rotary motor 1
53	RMFWD	0	Rotary motor 2
54,55	SI,k	0	Non-connection
56	VLOAD	1	VLOAD input (-30V)
57	VPRE	1	VPRE input (-5V)
58 ~ 60	Sh ~ j	0	Non-connection
61 ~ 63	Se ~ g	0	Display segments (e ~ g)
64	VDD	_	Power supply (+5V)

MECHANISM OPERATION DESCRIPTION

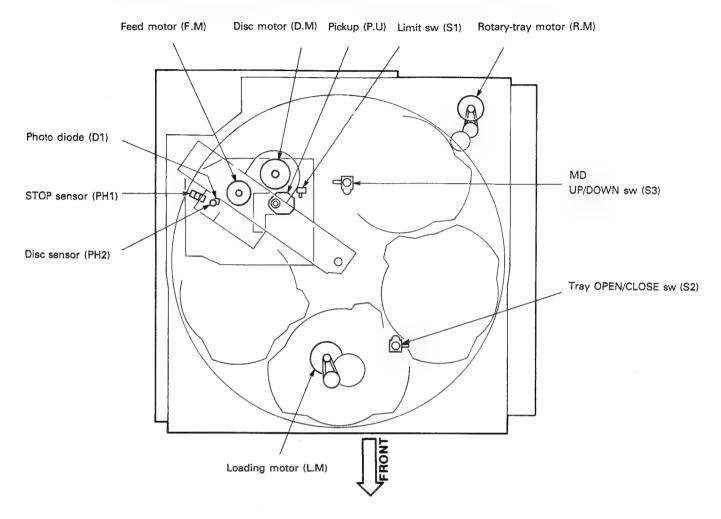


Fig. 1

1. Disc Detection

If rotary-tray motor (RM) is turnning clockwise, the tray rotary turns same direction. Confirm check of disc presence and disc number by photo transistor (PH2). Stop position is detected by photo interrupter (PH1).

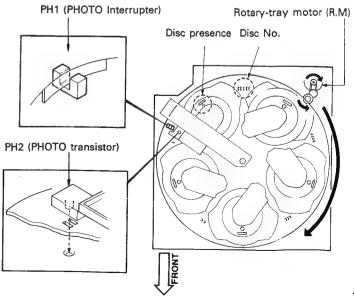


Fig. 2

MECHANISM OPERATION DESCRIPTION

2. Open and Close Operation

If tray loading motor (LM,M4) turns counterclockwise, the slide gear moves frontwards with lock lever fixed the rear of the tray. And then tray open/close switch (S2) is set to open mode.

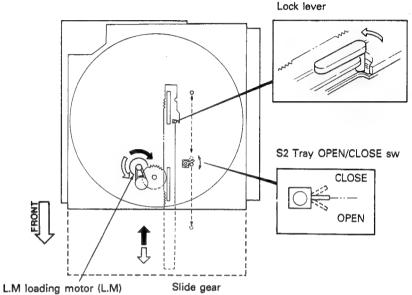


Fig. 3

If tray loading motor turns clockwise, the tray moves backwards on the way with the lock lever but slider gear goes on backwards and engages for mechanism up/down gear. Slide gear moves and the loading motor (S3) until pickup mechanism is at fully up or down position.

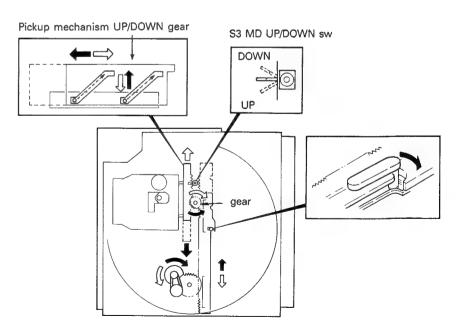


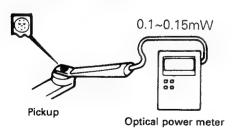
Fig. 4

		INPUT	OUTPUT	PLAYER	ALIGNMENT		
No.	ITEM	SETTING	SETTING	SETTING	POINT	ALIGN FOR	FIG
1	LASER POWER	SETTING	Apply the sensor section of the optical power meter on the pickup lens.	Short-circuit pins TEST and turn the power on to enter the test mode. Press the MANUAL S. key() to move the pickup outwards. Press the CHECK key to check that the LD emits light. Then, confirm that the display is 05 ".	POINT	On the power from 0.1 to 0.15mW, when the diffraction grating is correctly aligned with the Rf level of 1.0Vp-p or more and the TE (servo open) level of 1.5Vp-p or more, the pickup is acceptable.	
2	TRACKING ERROR BALANCE	Test disc Type 4	CH2: TE (X32-, CN5-6)	Turn power switch off and set the unit to test mode again.	VR1 (X32-)	Symmetry between upper and lower or DC=Vref(2.1V)±0.05V	(b)
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1: RF(X32-,CN5-1) CH2: TE(X32-,CN5-6)	Press the PLAY key. Confirm that the display is 05 ".	VR2 (X32-)	Optimum eye pattern	(e)
4	FOCUS GAIN	Test disc Type 4 Apply signal of 1.0kHz, 0.1Vrms to CN5 pin 2-3(X32-).	Connect a LPF to CN5 pin 2-3 to which connect an oscilloscope or two AC voltmeters.	Press the PLAY key. Confirm that the display is" 05".	VR3 (X32-)	Two VTVMs should read the same value.	(d)
5	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 0.1Vrms to CN5 pin 5-6(X32-).	Connect an LPF to CN5 pin 5-6 to which connect an oscilloscope or two AC voltmeters.	Press the PLAY key. Confirm that the display is" 05".	YR4 (X32-)	Two VTVMs should read the same value.	(e)

(Note) Type 4 disc: SONY YEDS-18 Test Disc or equivalent.

LPF: Around 47k9+390pF or so. Steps 1~5 are in Test Mode.

(a) Laser Power



(d) Focus Gain and Tracking Gain Adj.

Focus gain Adj.

CN5

1.0kHz
100mV

Vref

Tracking gain Adj.

CN5

Vref

Vref

1.0kHz
100mV

Vref

1.0kHz
100mV

REGLAGE

		REGLAGE	REGLAGE	REGLAGE DE LA	POINT		T
N.	ITEM	D' ENTREE	DE SORTIE	LECTURE	D'ALIGNEMENT	ALIGNEMENT POUR	FIG
1	PUISSANCE LASER	D ENIAGE	Appliquer la section détecteur du compteur de puissance optique sur la lentille du capteur.	Court-circuiter les broches TEST et fournir l'alimenta- tion pour entrer en mode de test. Presser la touche MANUAL S.()) pour déplacer le déteteur vers l'extérieur. Presser la touche CHECK pour vérifier que la diode êmet de la lumière.S'assurer ensuite que l'affi-	_	Sur l'alimentation d 0.1 à 0.15mW, quand le réseau de diffraction est correctement aligné avec le niveau RF de 1.0Vc-c ou plus et le niveau TE(servo ouvert)de 1.5vc-c ou plus, le détecteur est acceptable.	
2	BALANCE D'ERREUR D'ALIGNEMENT	Disque test Type 4	Raccorder un oscilloscope comme suit. CH1: RP (X32-,CN5-1) CH2: TE (X32-,CN5-6)	chage est "05". Couper l'alimentation. Court-circuiter	VR1 (X32-)	Symétrie entre les formes supérieure et inférieure ou DC=Vref(2.1V)±0.05V	(b)
3	BALANCE D'ERREUR DE MISE AU POINT	Disque test Type 4	Raccorder un oscilloscope comme suit. CH1: RF (X32-,CN5-1) CH2: TE (X32-,CN5-6)		VR2 (X32-)	Forme optimum	(c)
4	GAIN DE MISE AU POINT	Disque test Type 4 Appliquer un signal de 1kHz, 0.1Yrms a CN5 broche 2-3. (X32-)	Connecter un filtre passe-bas à CN5 broche 2-3 et raccorder un oscilloscope ou un voltmètre CA. (X32-)	Presser la touche PLAY. S'assurer que l'affichage est "05".	VR3 (X32-)	Deux voltmêtres doivent indiquer la même valeur.	(d)
5	GAIN D'ALIGNEMENT	Disque test Type 4 Appliquer un signal de 1kHz, 0.1Vrms à CN5 broche 5-6. (X32-)	Connecter un filtre passe-bas à CN5 broche 5-6 et raccorder un oscilloscope ou un voltmètre CA. (X32-)	Presser la touche PLAY. S'assurer que l'affichage est "05".	VR4 (X32-)	Deux voltmétres doivent indiquer la même valeur.	(e)

(Remarque) Disque de type 4:Disque test SONY YEDS-18 ou équivalent.

Filtre passe-bas:environ 47kQ+390pF.

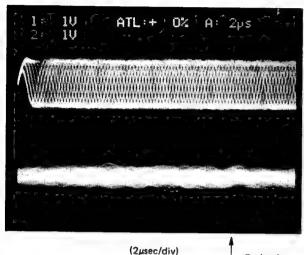
DP-R793/R893/R4450 **ABGLEICH**

		EINGANGS-	AUSGANGS-	SPIELER-	ABGLEICH-		
NR.	GEGENSTAND	EINSTELLUN	EINSTELLUNGE	EINSTELLUNG	PUNKT	ABGLEICHUNG	AB
1	LASERLEISTUNG	_	Das Sensorteil des optischen Leistungmeters auf die Aufnehmerlinse ansetzen.	Die Stifte TEST kurz- schließen und die Spannungsversorgung einschalten, um den Testmodus zu aktivie- ren. Die Taste MANUAL S. (**) dfücken, um den Abtaster nach außen zu bewegen. Die CHECK- Taste drücken, um zu prüfen, ob die LD Light abgibt. Dann sicherstellen,	_	Bei der Leistung von 0.1 bis 0.15 mW, wenn das beugungs- gitter richtig mit den RF-Pegel von 1.0Vs-s oder mehr und dem TE- Pegel(Servo offen) von 1.5Vs-s oder mehr ausgerichtet ist, ist der Abtaster zugänglich.	(a)
				daß"05"angezeigt wird.			
2	SPURHALTEFEHLER- AUSGLEICH	Testdisc Typ 4	Ein Oszilloskop wie folgt anschließen: Kanal 1: RF (X32-,CN5-1) Kanal 2: TE (X32-,CN5-6)	Die Spannungsversorgung einmal ausschalten. Die Stifte TEST kurzschließen und die Spannungsversorgung einschalten, um den Testmodus zu aktivie- Die Taste () drücken, um den Träger zu öfften. Eine Disc einlegen und die Taste () drücken. Dann die CHECK-Taste drücken. Sicherstellen, das	VR1 (X32-)	Symmetrie zwischen oberen und umteren Mustern oder Gleichstrom DC=Vref(2.1V)±0.05V	(b)
				"05" angezeigt wird.			
3	FOKUS- FEHLERAUSGLEICH	Testdisc Typ 4	Ein Oszilloskop wie folgt anschließen: Kanal 1: RF (X32-,CN5-1) Kanal 2: TE (X32-,CN5-6)	Die PLAY-Taste drucken und sicherstellen, daß"05" angezeigt wird.	VR2 (X32-)	Optimales Augenmuster	(c)
4	FOKUSVERSTÄRKUNG	0.1Vrms an CN5	Ein Tiefpaßfilter an CN5 Stift 2-3 und an dieses ein Oszillo- skop oder Wechselstrom- Voltmeter anschließen. (X32-)	Die PLAY-Taste drücken und sicherstellen, daß" 05" angezeigt wird.	VR3 (X32-)	Zwei YTYM müssen den gleichen Wert zeigen.	
5	SPURHALTE- Verstärkung	Testdisc Typ 4 Ein Signal von 1kHz, 0.1Vrms an CN5 Stift 5-6 anlegen. (X32-)	Ein Tiefpaßfilter an CM5 Stift 5-6 und an dieses ein Oszillo- skop oder Wechselstrom-	Die PLAY-Taste	VR4 (X32-)	Zwei VTVM müssen den gleichen Wert zeigen.	

(Hinweis) Typ 4 Disc: SONY YEDS-18 Testdisc oder Äquivalent

Tiefpaßfilter:ca. 47kQ+390pF oder ähnlich.

ADJUSTMENT/REGLAGE/ABGLEICH



RF signal and E.Spot signal in test mode (PLAY).

- If the diffraction grating has been adjusted properly, the influence of triggering is observed on the E.Spot waveform of approx. 18µs after RF signal, in the form of a projection.
- Signal RF et signal E.Spot en mode de test (PLAY).
- Si le réseau de diffraction a été ajusté correctement, l'influence du dEeclenchement s'observe sur la forme d'onde E.Spot d'environ 18µs après le signal RF, sous la forme d'une projection.
- RF-Signal und E.spot-signal im Testmodus (PLAY).
- Wenn das Diffraktionsgitter richtig eingestellt wurde, wird der Einfluß des triggers in der E.Spot-Wellenform etwa 18 μ s nach dem RF-Signal in der Formeiner Hervorstehung beobachtet.

CH2 E.Spot 0.1V/div

Projection

CH1 RF

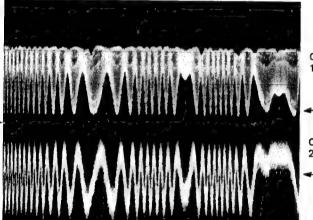
1.0V/div

AC coupling for CH2 only

Couplage CA pour canal 2 seulement

AC-Kopplung nur für Kanal 2

Tracking Error Balance



(20msec/div)

CH1 RF 1.0V/div

-0(V)

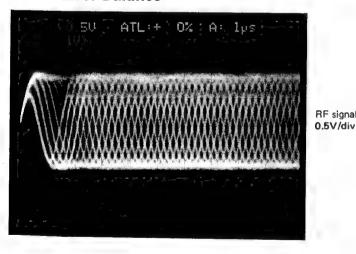
CH2 T.Error 2.0V/div

-0(V)

 RF signal and T.Error signal, in test mode (Focusing ON). (Disc type 4)

- Ajust T.Error so that the waveform is symmetrical above and below Vref. (VR2)
- Signal RF et signal T.Error, en mode test (mise au point ON). (Disque de type 4)
- Ajuster T.Error pour que la forme d'omde soit symétrique en-dessus et au-dessus de Vref. (VR2)
- RF-Signal und T, Error-Signal, im Testmodus (Fokussierung eingeschaltet). (Disc-Typ 4)
- T.Error so einstellen, daß die Wellenform über und unter Vref symmetrisch ist. (VR2)

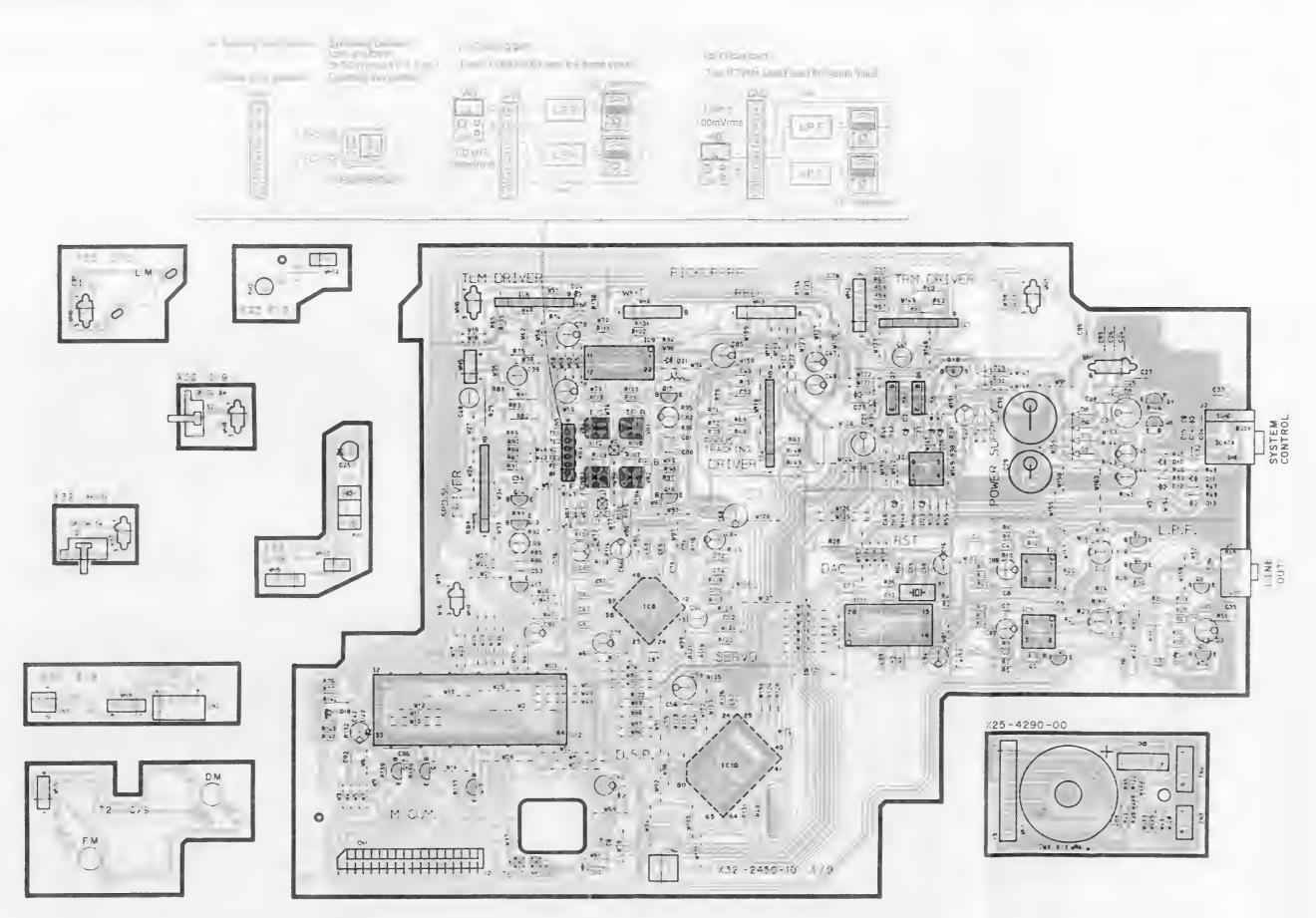
Focus Error Balance



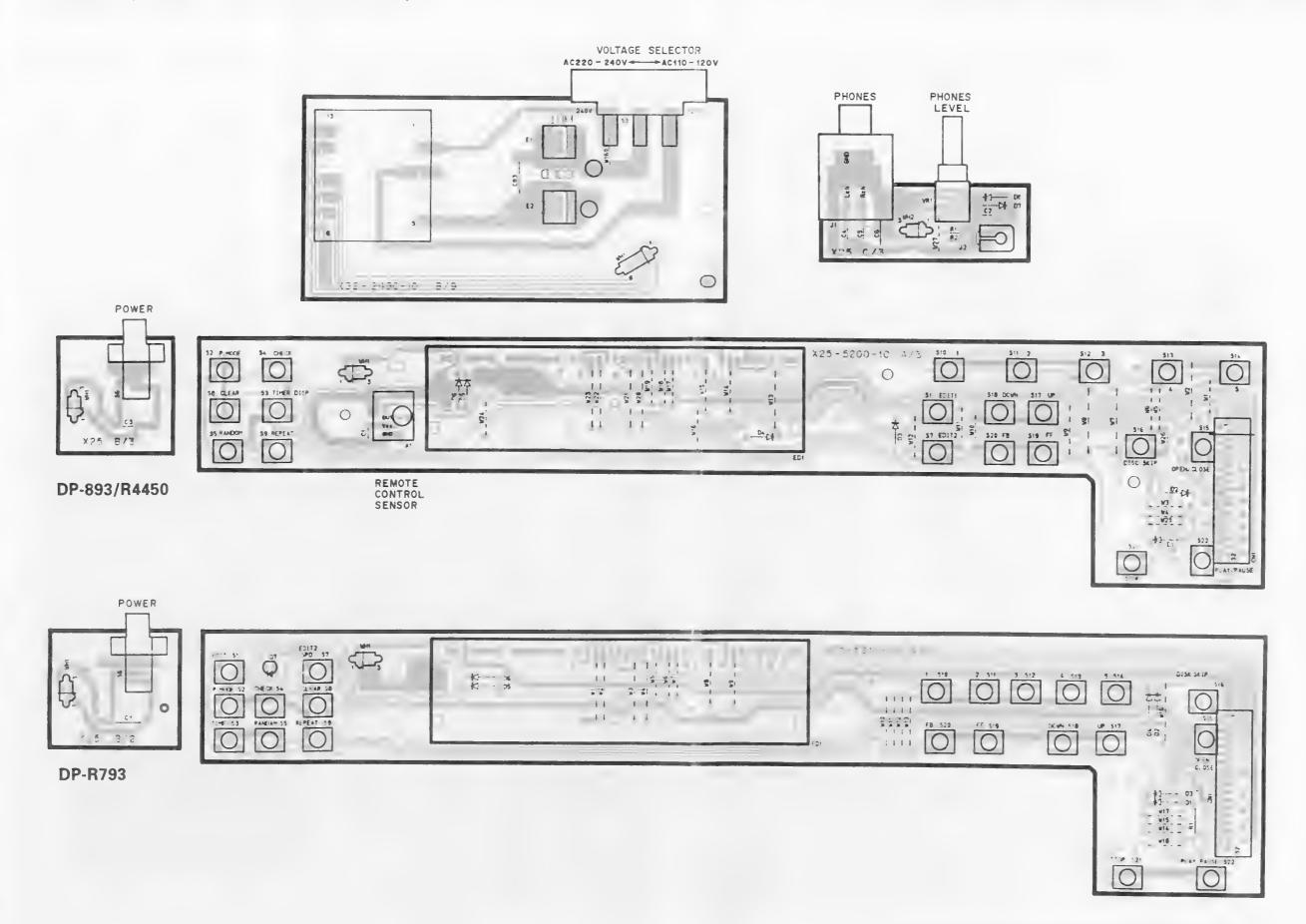
RF signal

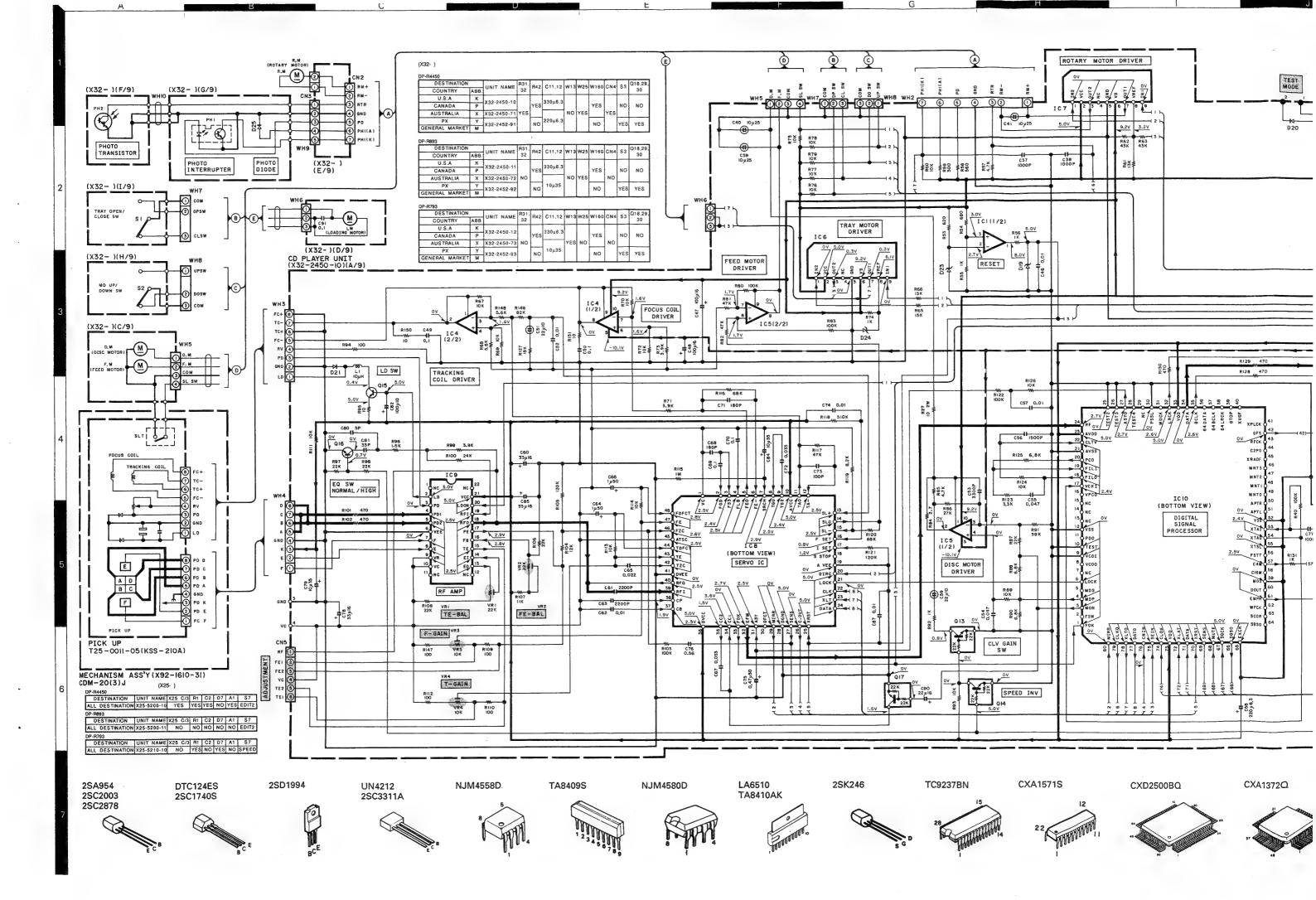
- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset adjustments so that each of the center cross points are focused into one point on the display. The crossing points above and below the center shall also be displayed clearly.
- Signal RF en mode de test (PLAY).
- Effectuer les adjustements d'offset tangentiel et de mise au point pour que chacnun dus points de croisement central soit mis au point sur un point de l'affichage. Les points de croisement au-dessus et en-dessous du centre doivent aussi être affichés clairment.
- RF-Signal im Testmodus (PLAY).
- Die Tangential- und Fokusversatz-Einstellungen so durchführen, daß jeder der mittleren Kreuzungs- punkte in einem Punkt auf dem Display fokussiert wird. Auch die Kreuzungspunkte über und unter der Mitte Müssen klar angezeigt werden.

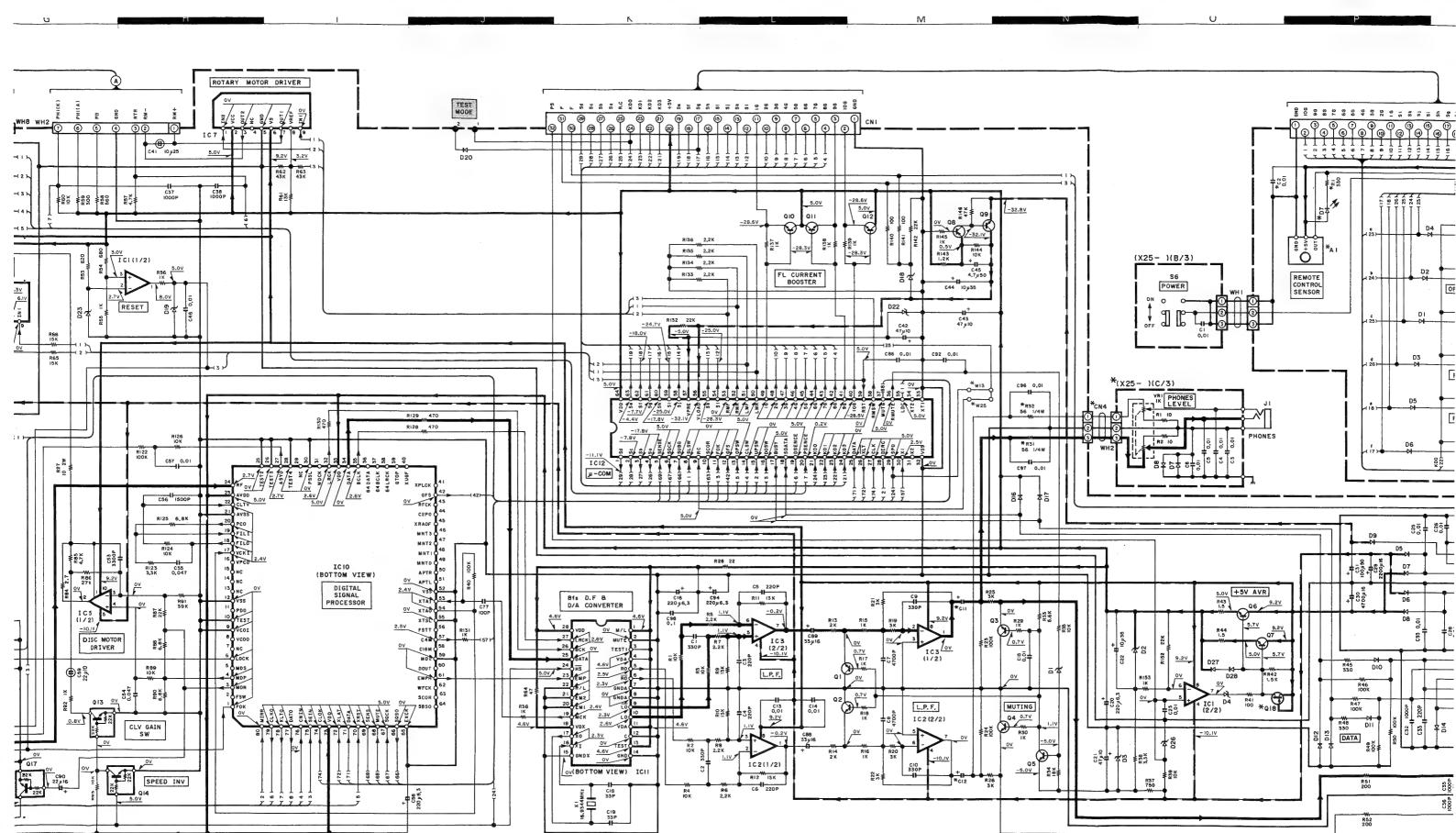
PC BOARD (COMPONENT SIDE VIEW)

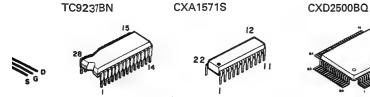


PC BOARD (COMPONENT SIDE VIEW)

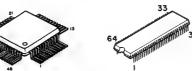








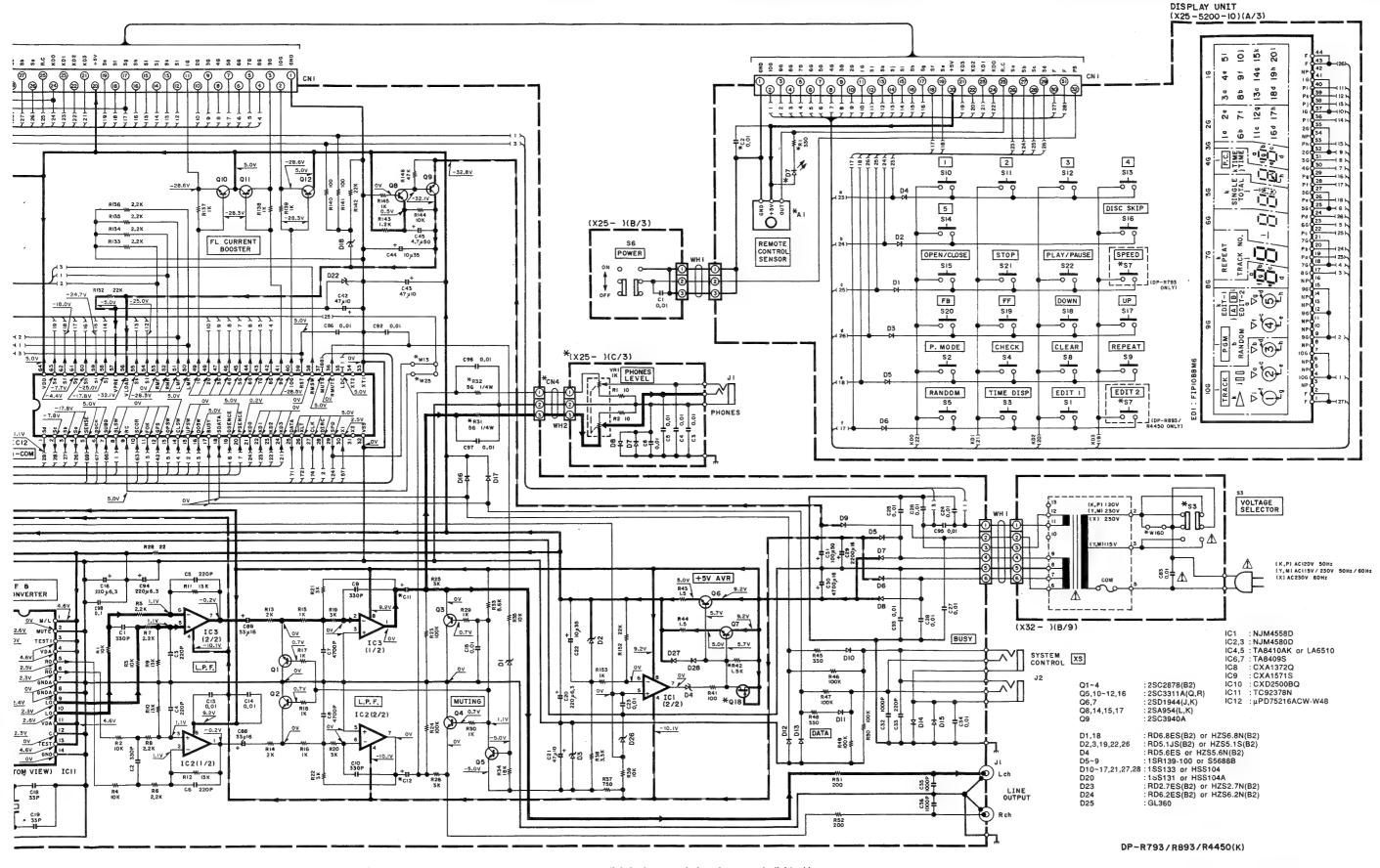
CXA1372Q UPD75216ACW-W48



- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.
- Les tensions c.c. doivent être measurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
- Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.







- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.
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CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). \triangle Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

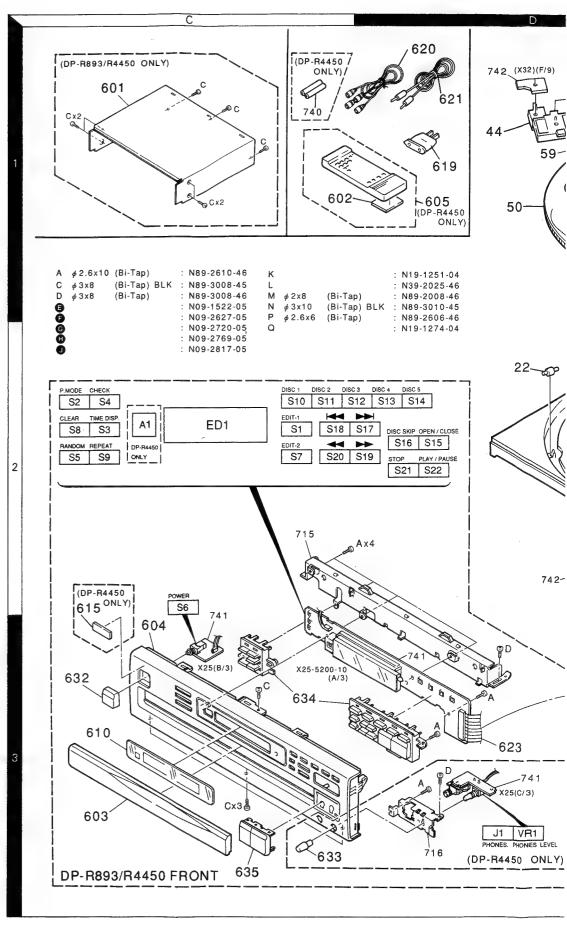


Y22-3260-10

DP-R793/R893/R4450 DP-R793/R893/R4450 **EXPLODED VIEW (MECHANISM)**

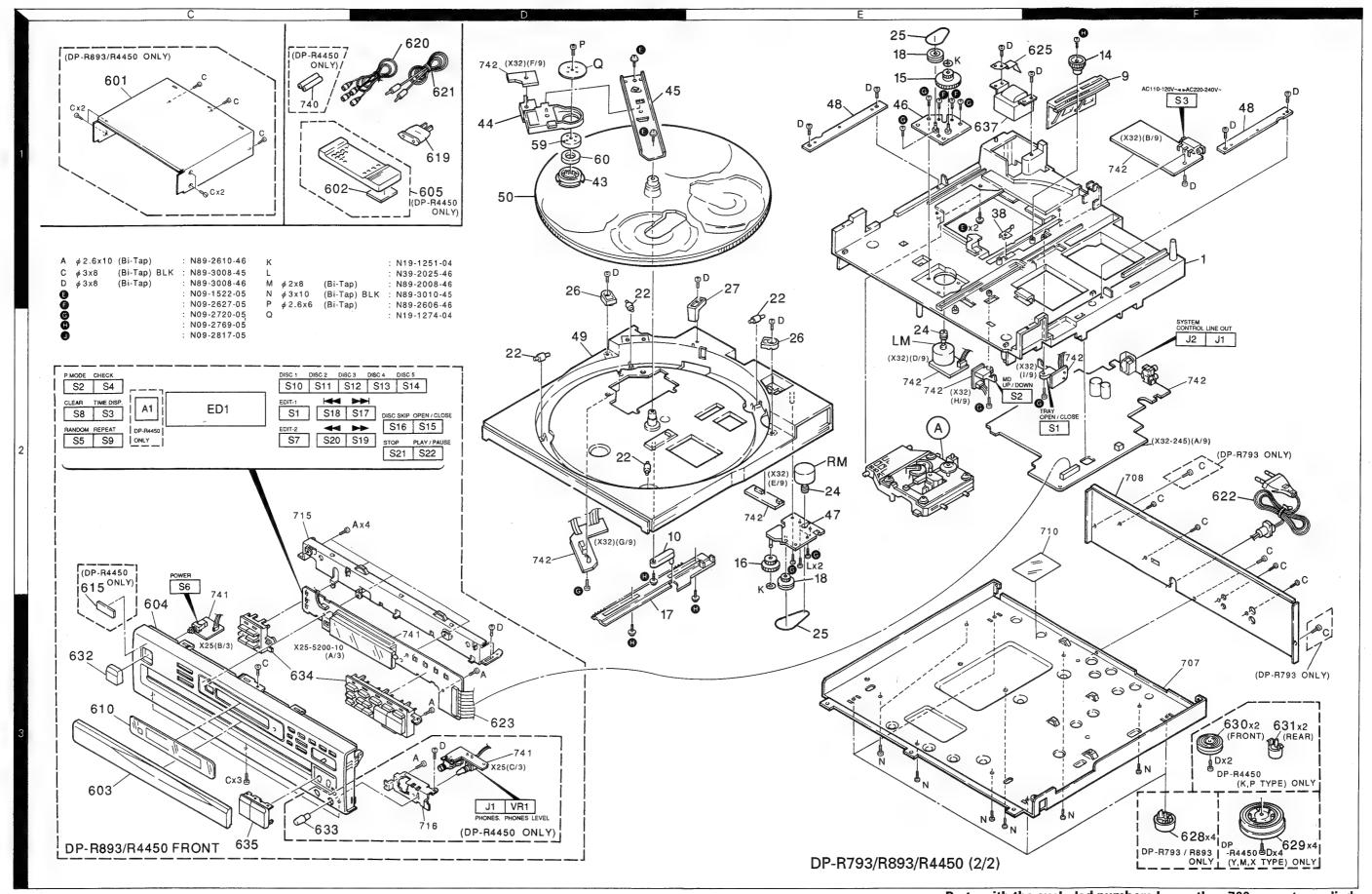
SPEED S7 P-MODE CHECK CLEAR S2 S4 S8 S16 ED1 S10 S11 S12 S13 S14 **S18** S17 S20 S19 S15 S3 S5 S9 STOP PLAY/PAUS DP-R793 FRONT S6 627x2 603 601 A (DP-R793 ONLY) (X32)(C/9) DP-R793/R893/R4450 (1/2)

Parts with the exploded numbers larger than 700 are not supplied.



0

EXPLODED VIEW (UNIT)



* New Parts

PARTS LIST

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref.		Addres	Parts		Description 部品名/規格	nation	Remar 備者
一	番号	位置	新	部品番号		111 19)	JAME *
		1			DP-R793		
601 603 604		2B 2A 1A	*	A01-1912-01 A29-0307-02 A60-0376-02	METALLIC CABINET PANEL ASSY(TRAY) PANEL ASSY(FRONT)		
610 612 -		2A 2B		B03-2688-03 B07-1980-04 B46-0092-13 B46-0094-03 B46-0095-03	DRESSING PLATE ESCUTCHEON WARRANTY CARD WARRANTY CARD WARRANTY CARD	K Y Y	
- - - -			*	B46-0096-33 B46-0121-23 B46-0197-00 B58-0513-04 B60-1122-00	WARRANTY CARD WARRANTY CARD QUESTIONAIRE CARD CAUTION CARD (PRESET220-240) INSTRUCTION MANUAL(ENGLISH)	X P K Y	
-			*	B60-1123-00 B60-1124-00	INSTRUCTION MANUAL(FRENCH) INSTRUCTION MANUAL(S,A,C)	P M	
619 620 621 622 622		1 D 1 D 1 D 2 F 2 F		E03-0115-05 E30-0505-05 E30-2733-05 E30-2590-15 E30-2603-15	AC PLUG ADAPTER AUDIO CORD CORD WITH PLUG AC POWER CORD AC POWER CORD	M M Y	
622 622 623		2F 2F 2B	*	E30-2689-05 E30-2716-05 E35-0532-05	AC POWER CORD AC POWER CORD WIRING HARNESS	KP X	
625 626 627		1F 1B 1B		G02-0991-04 G11-2066-04 G11-2074-04	FLAT SPRING CUSHION CUSHION		
- - -			*	H10-5086-02 H10-5087-02 H11-0039-04 H12-2109-04 H13-0121-04	POLYSTYRENE FOAMED FIXTURE(L) POLYSTYRENE FOAMED FIXTURE(R) POLYSTYRENE FOAMED BOARD PACKING FIXTURE CARTON BOARD	х	
- - -			*	H20-0568-04 H21-0287-04 H25-0232-04 H25-0368-04 H50-0575-04	PROTECTION COVER PROTECTION SHEET PROTECTION BAG (235X350X0.03) PROTECTION BAG ITEM CARTON CASE	M KPYX	
628		3F		J02-0366-15	FOOT(FRONT, REAR)		
636		1 A		K29-4140-04	KNOB (POWER)		
637 637 637		1E 1E 1E		L07-0293-05 L07-0294-05 L07-0295-05	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	KP MY X	
A C D N				N89-2610-46 N89-3008-45 N89-3008-46 N89-3010-45	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW		
		-			OP-R893		
601 603 604		1 C 3 C 3 C	* * *	A01-3010-11 A29-0333-02 A60-0365-11	METALLIC CABINET PANEL(TRAY) PANEL(FRONT)		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia M:Other Areas

★ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

	Ref. No.	Address	1	Parts No.	Description	Desti- nation	Re- marks
	参照番号	位 置	Parts 新	部品番号	部品名/規格		備考
	610	3C	*	B03-2815-13 B46-0092-13 B46-0094-03 B46-0095-03 B46-0096-33	DRESSING PLATE WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD	K Y Y X	
	- - - -		*	B46-0121-23 B46-0197-00 B58-0513-04 B60-1095-00 B60-1096-00	WARRANTY CARD QUESTIONAIRE CARD CAUTION CARD (PRESET220-240) INSTRUCTION MANUAL(ENGLISH) INSTRUCTION MANUAL(FRENCH)	P K Y	
	-		*	B60-1097-00	INSTRUCTION MANUAL(S,C)	M	
A	619 620 621 622 622	1D 1D 1D 2D 2D		E03-0115-05 E30-0505-05 E30-2733-05 E30-2590-15 E30-2603-15	AC PLUG ADAPTER AUDIO CORD CORD WITH PLUG AC POWER CORD AC POWER CORD	M M Y	
Δ	622 622 623	2D 2D 3D	*	E30-2689-05 E30-2716-05 E35-0532-05	AC POWER CORD AC POWER CORD WIRING HARNESS	KP X	
	625	1 F		G02-0991-04	FLAT SPRING		
	-		*	H10-5144-02 H10-5145-02 H11-0039-04 H12-2109-04 H13-0121-04	POLYSTYRENE FOAMED FIXTURE(L) POLYSTYRENE FOAMED FIXTURE(R) POLYSTYRENE FOAMED BOARD PACKING FIXTURE CARTON BOARD	x	
	- - - -		*	H20-0567-04 H21-0287-04 H25-0232-04 H25-0319-04 H50-0537-04	PROTECTION COVER PROTECTION SHEET PROTECTION BAG (235X350X0.03) PROTECTION BAG ITEM CARTON CASE	M	
	628	3F		J02-0366-15	FOOT(FRONT, REAR)		
	632 634 635	3C 3C 3C	*	K27-2095-04 K29-5658-02 K29-5660-04	KNOB (POWER) KNOB (P.MODE, DISC 1, etc.) KNOB (PLAY/PAUSE, STOP)		
△ △	637 637 637	1E 1E 1E		L07-0293-05 L07-0294-05 L07-0295-05	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	KP YM X	
	A C D N			N89-2610-46 N89-3008-45 N89-3008-46 N89-3010-45	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW		
				D	P-R4450		
	601 602 603 604 605	1C 1C 3C 3C 1D	* * * * *	A01-3010-11 A09-0145-08 A29-0333-02 A60-0355-11 A70-0928-05	METALLIC CABINET BATTERY COVER PANEL(TRAY) PANEL(FRONT) REMOTE CONTROLLER ASSY		
	610 615 - -	3C 3C	*	B03-2815-13 B43-0287-04 B46-0092-13 B46-0094-03 B46-0095-03	DRESSING PLATE KENWOOD BADGE WARRANTY CARD WARRANTY CARD WARRANTY CARD	K Y Y	

L:Scandinavia Y:PX(Far East, Hawaii) Y:AAFES(Europe) K:USA T:England

X:Australia

P:Canada E:Europe M:Other Areas

PARTS LIST

× New Parts

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Teile ohne Parts No. werden nicht geliefert.

Ref.	No.	Addr	ess	Vew Parts	Parts I	No.	Description	Desti- nation	R
参照	番号	位	置	新	部品和	号	部品名/規格	t 向	仿
- - -					B46-0096-3 B46-0121-2 B46-0197-0 B58-0513-0 B60-1092-0	23 00 04	WARRANTY CARD WARRANTY CARD QUESTIONAIRE CARD CAUTION CARD (PRESET220-240) INSTRUCTION MANUAL(ENGLISH)	X P K Y	
-					B60-1093-0 B60-1094-0		INSTRUCTION MANUAL(FRENCH) INSTRUCTION MANUAL(S,C)	P M	
619 620 621 622 622		1 D 1 D 1 D 2 F 2 F			E03-0115-0 E30-0505-0 E30-2733-0 E30-2590-1 E30-2603-1)5)5 5	AC PLUG ADAPTER AUDIO CORD CORD WITH PLUG AC POWER CORD AC POWER CORD	M Y	
622 622 623		2F 2F 3D		*	E30-2689-0 E30-2716-0 E35-0532-0)5	AC POWER CORD AC POWER CORD WIRING HARNESS	KP X	
625		1F			G02-0991-0)4	FLAT SPRING		
- - -				*	H10-5084-0 H10-5085-1 H11-0040-0 H12-2108-0 H13-0121-0	12)4)4	POLYSTYRENE FOAMED FIXTURE(L) POLYSTYRENE FOAMED FIXTURE(R) POLYSTYRENE FOAMED BOARD PACKING FIXTURE CARTON BOARD	х	
- - - -					H20-0567-0 H21-0287-0 H25-0232-0 H25-0319-0 H50-0536-0)4)4)4	PROTECTION COVER PROTECTION SHEET PROTECTION BAG (235X350X0.03) PROTECTION BAG ITEM CARTON CASE	M	
629 630 631		3F 3F 3F			J02-1034-0 J02-1024-0 J02-1013-0)5	FOOT(FRONT, REAR) FOOT(FRONT) FOOT(REAR)	YMX KP KP	
632 633 634 635		3C 3C 3C 3C	- 1	*	K27-2095-0 K29-3833-0 K29-5658-0 K29-5660-0	14	KNOB (POWER) KNOB (PHONES LEVEL) KNOB (P.MODE, DISC 1) KNOB (PLAY/PAUSE, STOP)		
637 637 637		1E 1E 1E			L07-0293-0 L07-0294-0 L07-0295-0)5	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	KP YM X	
A C D N					N89-2610-4 N89-3008-4 N89-3008-4 N89-3010-4	5 6	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW		
							P-R793 : X25-5210-10)		
D7					B30-1012-0		LED(SLP-981C-51)		
C1 S1 -! S6 S7 -:	5 22	1A 1A 1A,1	IB		C91-0769-0 S40-1064-0 S40-2370-0 S40-1064-0	15 15	TACT SWITCH(EDIT, P.MODE etc.) PUSH SWITCH(POWER) TACT SWITCH(SPEED, CLEAR etc.)		
D1 D1 ED1	_	1 A			HSS104A 1SS131 FIP10BBM6		DIODE DIODE INDICATOR TUBE		

L:ScandinaviaK:USAP:CanadaY:PX(Far East, Hawaii)T:EnglandE:EuropeY:AAFES(Europe)X:AustraliaM:Other Areas

PARTS LIST

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Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Address		Parts No.	Description		Desti-	Re-	
参照番号	位 置	Parts 新	部品番号	部品名/規格	\$		marks 備考	
	DISPLAY UNIT (DP-R893 : X25-5200-11)							
C1 C3			CK45FF1H103Z CK45FF1H103Z		Z Z			
S1 -5 S6 S7 -22	2C 2C 2C		S40-1064-05 S40-2370-05 S40-1064-05	TACT SWITCH(EDIT-1 etc. PUSH SWITCH(POWER) TACT SWITCH(EDIT-2 etc.				
D1 -6 D1 -6 ED1	2C		HSS104A 1SS131 FIP10BBM6	DIODE DIODE INDICATOR TUBE				
			DISPLAY UNIT (D	P-R4450 : X25-5200-10)				
C1 -6			C91-0769-05		ζ			
J1	3D		E11-0208-05	PHONE JACK(PHONES)				
VR1	3D	*	R10-1004-05	POTENTIOMETER 1K(PHONES	E LEV.)			
S1 -5 S6 S7 -22	2C 2C 2C		S40-1064-05 S40-2370-05 S40-1064-05	TACT SWITCH(EDIT-1 etc. PUSH SWITCH(POWER) TACT SWITCH(EDIT-2 etc.				
D1 -6 D1 -6 D7 ,8 D7 ,8 ED1	2C		HSS104A 1SS131 HSS104 1SS133 FIP10BBM6	DIODE DIODE DIODE DIODE INDICATOR TUBE				
A1	2C		W02-0975-05	ELECTRIC CIRCUIT MODULE	3			
	C	D F	PLAYER UNIT (DP-F	R793/R893/R4450 : X32-24	5)			
C1 ,2 C3 -6 C7 ,8 C9 ,10 C11 ,12			CF92FV1H331K CF92FV1H221K CF92FV1H472J CF92FV1H331K CE04KW0J331M	MF 330PF K MF 220PF K MF 4700PF J MF 330PF K ELECTRO 330UF 6	r	KP	***************************************	
C11 ,12 C13 -15 C16 C18 ,19 C20			CE04KW1V100M CK45FF1H103Z CE04KW0J221M CC45FCH1H330J CE04KW0J221M	CERAMIC 0.010UF 2 ELECTRO 220UF 6 CERAMIC 33PF J	VWE.	YMX		
C21 C22 C23 C24 -28 C29		*	CE04KW1A470M CE04KW1V100M CK45FF1H103Z C91-0769-05 CE04EW1C222M	ELECTRO 10UF 3 CERAMIC 0.010UF Z CERAMIC 0.01UF K				
C30 C31 C32 ,33 C34 C35 ,36		*	C90-3479-05 CE04KW1H101M CC45FSL1H221J CK45FF1H103Z CF92FV1H102J					
C37 ,38 C39 -41 C42 ,43 C44 C45			CK45FB1H102K CE04HW1E100M CE04KW1A470M CE04KW1V100M CE04KW1H4R7M	ELECTRO 47UF 1 ELECTRO 10UF 3	5WV 0WV 5WV			
C46 C47 ,48			CK45FF1H103Z CE04KW1C101M	CERAMIC 0.010UF Z ELECTRO 100UF 1	6₩V			

L:Scandinavia
Y:PX(Far East, Hawaii)

Y:AAFES(Europe)

K:USA T:England P:Canada E:Europe

X:Australia

PARTS LIST

* New Parts

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Teile ohne Parts No. werden nicht geliefert.

Ref. 参照	No. 番号	Address 位置	New Parts		Description 部 品 名 / 規 格	Desti- nation 仕 向	Re- mark 備考
C49, C51 C52 C53	50			CF92FV1H104J CE04HW1A220M CF92FV1H103J CK45FB1H332K CF92FV1H473J	MF 0.10UF J NP-ELEC 22UF 10WV MF 0.010UF J CERAMIC 3300PF K MF 0.047UF J		
C56 C57 C58 C59 C60		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		CF92FV1H152J CF92FV1H103J CE04KW0J221M CE04HW1A220M CE04KW1C330M	MF 1500PF J MF 0.010UF J ELECTRO 220UF 6.3WV NP-ELEC 22UF 10WV ELECTRO 33UF 16WV		
C61 C62 C63 C64 C65				CF92FV1H222J CF92FV1H103J CK45FB1H222K CE04KW1H010M CF92FV1H223J	MF 2200PF J MF 0.010UF J CERAMIC 2200PF K ELECTRO 1.0UF 50WV MF 0.022UF J		
C66 C67 C68 C69 ,	70			CE04KW1H010M CF92FV1H333J CC45FSL1H181J CF92FV1H104J CC45FSL1H181J	ELECTRO 1.0UF 50WV MF 0.033UF J CERAMIC 180PF J MF 0.10UF J CERAMIC 180PF J		
C72 C73 C74 C75 C76				CF92FV1H333J CC45FSL1H101J CF92FV1H103J CE04KW1HR47M CF92FV1H564J	MF 0.033UF J CERAMIC 100PF J MF 0.010UF J ELECTRO 0.47UF 50WV MF 0.56UF J		
C77 C78 C79 C80 C81		The state of the s		CC45FSL1H101J CE04KW1C330M CE04KW1V100M CC45FSL1H050C CC45FSL1H330J	CERAMIC 100PF J ELECTRO 33UF 16WV ELECTRO 10UF 35WV CERAMIC 5.0PF C CERAMIC 33PF J	į	
C82 C83 C84 C85 C86				CE04KW1A101M C91-0971-05 CE04KW1V100M CE04KW1C330M C91-0769-05	ELECTRO 100UF 10WV FILM 0.01UF 250WV ELECTRO 10UF 35WV ELECTRO 33UF 16WV CERAMIC 0.01UF K		
C87 C88 , C90 C91 C92	89			CF92FV1H103J CE04KW1C330M CE04KW1C220M CF92FV1H104J CK45FF1H103Z	MF 0.010UF J ELECTRO 33UF 16WV ELECTRO 22UF 16WV MF 0.10UF J CERAMIC 0.010UF Z		
C93 C94 C95 C96 ,	97			C91-0769-05 CE04KW0J221M C91-0769-05 CK45FF1H103Z CF92FV1H104J	CERAMIC 0.01UF K ELECTRO 220UF 6.3WV CERAMIC 0.01UF K CERAMIC 0.010UF Z MF 0.10UF J		
J1 J2		2F 2F	*	E63-0076-05 E11-0188-05	PHONO JACK(LINE OUT) MINIATURE PHONE JACK(S.CONT.)		
L 1 X 1				L40-1001-17 L77-1164-05	SMALL FIXED INDUCTOR(10UH,K) CRYSTAL RESONATOR(16.9344MHz)		
R27 VR1 ,: VR3 ,				RS14KB3D100J R12-3686-05 R12-3685-05	FL-PROOF RS 10 J 2W TRIMMING POT.(22K) <te,fe-bal.> TRIMMING POT.(10K)<f,t-gain></f,t-gain></te,fe-bal.>		
S1 ,:	2	2E,2F	*	S64-0010-05	LEVER SWITCH (OPEN/CLOSE)		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

	Ref. No.	Addr	ess	New		Description	Desti-	Re-
	参照番号	位	置	新	部品番号	部品名/規格	nation 仕 向	mark! 備考
A	S3	1F			S31-2131-05	SLIDE SWITCH (POWER TYPE)	YM	
	PH1				T95-0121-05	OPTO ISOLATOR		
	D1 D1 D2 ,3 D2 ,3				HZS6.8N(B2) RD6.8ES(B2) HZS5.1S(B2) RD5.1JS(B2) HZS5.6N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
	D4 D5 -9 D5 -9 D10 -17 D10 -17				RD5.6ES(B2) S5688B 1SR139-100 HSS104 1SS133	ZENER DIODE DIODE DIODE DIODE DIODE DIODE		
	D18 D18 D19 D19 D20				HZS6.8N(B2) RD6.8ES(B2) HZS5.1S(B2) RD5.1JS(B2) HSS104A	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE		
	D20 D21 D21 D22 D22				1SS131 HSS104 1SS133 HZS5.1S(B2) RD5.1JS(B2)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
	D23 D23 D24 D24 D25				HZS2.7N(B2) RD2.7ES(B2) HZS6.2N(B2) RD6.2ES(B2) GL360	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE PHOTO DIODE		
	D26 D26 D27,28 D27,28 IC1				HZS5.1S(B2) RD5.1JS(B2) HSS104 1SS133 NJM4558D	ZENER DIQDE ZENER DIQDE DIQDE DIQDE LC(OP AMP X2)		
	IC2 ,3 IC4 ,5 IC4 ,5 IC6 ,7 IC8				NJM4580D LA6510 TA8410AK TA8409S CXA1372Q	IC(OP AMP X2) IC(DUAL POWER OP AMP) IC(POWER OP AMP) IC(MOTOR CONTROL) IC(CD RF SERVO)		
	IC9 IC10 IC11 IC12 PH2			*	CXA1571S CXD2500BQ TC9237BN UPD75216ACW-W48 PT361F	IC(CD RF AMP) IC(DIGITAL SIGNAL PROCESSOR) IC(DA CONVERTER) IC(MICROPROCESSOR) PHOTO TRANSISTOR		
	91 -4 95 95 96 ,7				2SC2878(B) 2SC1740S(Q,R) 2SC3311A(Q,R) 2SD1944(J,K) 2SA954(L,K)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
	Q9 Q10 -12 Q10 -12 Q13 ,14 Q13 ,14				2SC2003(L,K) 2SC1740S(Q,R) 2SC3311A(Q,R) DTC124ES UN4212	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
(Q15				2SA954(L,K)	TRANSISTOR		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Address		Parts No.	Description		Re-
参照番号	位 置	Parts 新	部品番号	部品名/規格		mark 備老
916 916 917 917 918			2SC1740S(Q,R) 2SC3311A(Q,R) DTC124ES UN4212 2SK246(Y,GR)	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR FET	YM	
	ME	CH	ANISM ASSY (DP-F	R793/R893/R4450 : X92-1610-31)		
1 2	1 F 3 B	*	A10-2804-21 A15-0080-05	CHASSIS FRAME		
8 9 10 11 12	2A 1F 2D 3B 2A		D10-2325-04 D10-3111-03 D10-3112-04 D13-0997-05 D13-0998-05	ROD(PICK UP) SLIDER ARM GEAR GEAR		
13 14 15 16	3A 1F 1E 2E 3D		D13-0999-05 D13-0905-04 D13-0906-04 D13-0907-04 D13-0908-03	GEAR GEAR(IDLER) GEAR(MAIN) GEAR(ROTARY) LACK (GEAR)		
18 22 24 25 26	1E,2E 2D 2E 1E,3E 1D,1E	*	D13-0928-04 D14-0327-05 D15-0296-04 D16-0282-04 D32-0200-04	GEAR ROLLER ASSY MOTOR PULLEY BELT STOPPER		
27	1 E	*	D32-0335-04	STOPPER		
32 33	2A 2A	*	E35-0533-05 E35-0534-05	WIRING HARNESS(WH4) WIRING HARNESS(WH3)		
36 37 38	3B 2B 1E	*	G01-3464-04 G01-3549-04 G02-0927-04	COMPRESSION SPRING(FRONT) COMPRESSION SPRING(REAR) FLAT SPRING		
42 43 44 45 46	3A 1D 1D 1D		J02-1058-15 J11-0173-23 J19-3351-03 J19-3352-13 J21-5673-04	INSULATOR CLAMPER HOLDER BRACKET MOUNTING HARDWARE ASSY	1 1 1 1 1 1 1	
47 48 49 50	2E 1E,1F 2D 1D		J21-5675-04 J90-0667-04 J99-0095-11 J99-0096-01	MOUNTING HARDWARE ASSY RAIL TRAY(SLIDE) TRAY(ROTARY)		
D E F G H			N89-3008-46 N09-1522-05 N09-2627-05 N09-2720-05 N09-2769-05	BINDING HEAD TAPTITE SCREW SET SCREW (3X8) MACHINE SCREW TAPTITE SCREW (2.6X8) MACHINE SCREW		
J K L M P			N09-2817-05 N19-1251-04 N39-2025-46 N89-2008-46 N89-2606-46	TAPTITE SCREW (2.6X10,12P) FLAT WASHER PAN HEAD MACHIN SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW		
Q			N19-1274-04	INSULATING WASHER		
54	3A		S33-1022-05	LEVER SWITCH(LIMIT)		
59	1 D		T50-1036-14	YOKE		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Address	New Parts		Description	Desti- nation	Re- marks
参照番号	位 置	新		部 品 名 / 規 格	仕 向	備考
60 DM FM LM	1D 3A 3B 2E		A11-0679-18 T42-0566-05 T42-0524-05	MAGNET SUB CHASSIS ASSY(DISC MOTOR) DC MOTOR(FEED) DC MOTOR(LOADING)		
RM Pu	2E 2A			DC MOTOR(ROTARY) OPTICAL PICKUP HEAD		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England X:Australia **E:**Europe

SPECIFICATIONS

General

Format
SystemCompact disc digital audio system
Laser Semiconductor laser
Playing rotation200rpm~500rpm (CLV)
D/A convertors
D/A conversion1Bit
Oversampling8fs
Oversampling
Audio
Frequency response4Hz~20kHz, ±1.0dB
Signal to noise ratio more than 96dB
Dynamic rangemore than 94dB
Total harmonic distortionless than 0.008%
at 1kHz
Wow flutterunmeasurable limit
Output level/impedance2.0V/3.3kΩ
Headphone output (DP-4450)15mW (16Ω)

40110141	
Power consumption	15W
Dimensions	
DP-R793	W: 440mm (17-5/16")
	H: 120mm (4-3/4")
	D: 395mm (15-9/16")
DP-R893	W: 440mm (17-5/16")
	H: 120mm (4-3/4")
	D: 390mm (15-3/8")
DP-R4450	W: 440mm (17-5/16")
	H: 128mm (5-1/16")
	D: 396mm (15-9/16")
Weight (Net)	5.4kg (11.9lb)

Note: KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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